

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 09/25/2017 10:40 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124711	-1	1.91	124631	1.81
Blue	F	SSC	125000	123935	-1	3.55	124252	3.34
Blue	E	FITC	23795	23140	-3	2.90	1032	10.71
Blue	D	PE	29673	29109	-2	2.51	1044	10.40
Blue	B	PerCP-Cy5-5	48943	48208	-2	3.90	1390	17.75
Blue	A	PE-Cy7	44112	44257	0	5.61	691	37.42
Red	C	APC	54273	53383	-2	2.74	3076	9.56
Red	A	APC-Cy7	54945	53917	-2	2.87	1144	11.33
Violet	B	V450	15756	15252	-4	3.87	723	9.29
Violet	A	V500	62569	61940	-2	3.69	2745	6.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18658	4.08	613	-1	N/A	N/A	Pass
Blue	F	SSC	60907	1.93	549	3	N/A	N/A	Pass
Blue	E	FITC	113	40.12	549	-1	0.0191	136	Pass
Blue	D	PE	227	30.35	548	2	0.1431	231	Pass
Blue	B	PerCP-Cy5-5	218	47.01	640	1	0.0091	99	Pass
Blue	A	PE-Cy7	73	126.69	697	-2	0.0106	14	Pass
Red	C	APC	360	27.83	599	-1	0.0197	56	Pass
Red	A	APC-Cy7	124	40.18	576	-8	0.0052	1358	Pass
Violet	B	V450	90	43.87	469	-3	0.0437	2133	Pass
Violet	A	V500	199	24.71	498	-1	0.0142	880	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 09/25/2017 10:40 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.51	-31.02	0.93
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.97	13.27 - 19.91	N/A	N/A	30.99	31.48	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9756

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments